(-based on data from 03/01/1998 to 02/28/2003)

Lake Livingston

Segment: 0803 Trinity River Basin

Basin number: 8

Basin group: B

Water body description: From Livingston Dam in Polk/San Jacinto County to a point 1.8 km (1.1 miles) upstream of Boggy Creek in Houston/Leon County, up to normal pool elevation of 131 feet (impounds Trinity River)

Water body classification: Classified

Water body type: Reservoir

Water body length / area: 82,600 Acres

Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met in 2004 Assessment Area	Use	Support Status	Parameter	Category
Upper portion of reservoir, west of Carlisle	General Use	Partially Supporting	high pH	5c

Standards Not Met and Concerns in Previous Years Assessment Area	Use	Support Status or Concern	Parameter	Category
Cove off upper portion of reservoir, East Trinity	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Cove off upper portion of reservoir, East Trinity	General Use	Partially Supporting	pH	5c
Lower portion of reservoir, East Willow Springs	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Lower portion of reservoir, East Wolf Creek	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Lowermost portion of reservoir, adjacent to dam	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Middle portion of reservoir, East Pointblank	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

Parameters Removed from the 2002 303(d) List: depressed dissolved oxygen

Additional Information: The contact recreation, public water supply and fish consumption uses are fully supported.

(-based on data from 03/01/1998 to 02/28/2003)

This segment was identified on the 2000 303(d) List as partially supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion. There were insufficient 24-hour data for 2004.

2004 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
Cove off upper portion of reservoir, East Trinity	General Use	Use Concern-Limited Data	high pH
Lowermost portion of reservoir, adjacent to dam	Nutrient Enrichment Concern	Concern	orthophosphorus
Lowermost portion of reservoir, adjacent to dam	Algal Growth Concern	Concern	excessive algal growth
Middle portion of reservoir, centering on US 190	General Use	Use Concern	high pH
Middle portion of reservoir, centering on US 190	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Middle portion of reservoir, centering on US 190	Nutrient Enrichment Concern	Concern	orthophosphorus
Middle portion of reservoir, centering on US 190	Nutrient Enrichment Concern	Concern	total phosphorus
Middle portion of reservoir, downstream of Kickapoo Creek	Nutrient Enrichment Concern	Concern	orthophosphorus
Riverine portion of reservoir, centering on SH 21	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Riverine portion of reservoir, centering on SH 21	Nutrient Enrichment Concern	Concern	orthophosphorus
Riverine portion of reservoir, centering on SH 21	Nutrient Enrichment Concern	Concern	total phosphorus
Upper portion of reservoir, centering on SH 19	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper portion of reservoir, centering on SH 19	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upper portion of reservoir, centering on SH 19	Nutrient Enrichment Concern	Concern	orthophosphorus
Upper portion of reservoir, centering on SH 19	Nutrient Enrichment Concern	Concern	total phosphorus
Upper portion of reservoir, centering on SH 19	Algal Growth Concern	Concern	excessive algal growth
Upper portion of reservoir, west of Carlisle	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upper portion of reservoir, west of Carlisle	Nutrient Enrichment Concern	Concern	orthophosphorus
Upper portion of reservoir, west of Carlisle	Nutrient Enrichment Concern	Concern	total phosphorus
West Carolina Creek cove, off upper portion of reservoir	General Use	Use Concern-Limited Data	high pH

(-based on data from 03/01/1998 to 02/28/2003)

Monitoring sites used: Assessment Area	Station ID	Station Description
Cove off upper portion of reservoir, East Trinity	14014	LAKE LIVINGSTON USGS SITE HC
Lower portion of reservoir, East Willow Springs	14006	LAKE LIVINGSTON USGS SITE CC
Lower portion of reservoir, East Wolf Creek	14005	LAKE LIVINGSTON USGS SITE BC
Lowermost portion of reservoir, adjacent to dam	10899	LAKE LIVINGSTON IN MAIN POOL NEAR DAM AT TRA BOUY #2
Lowermost portion of reservoir, adjacent to dam	14003	LAKE LIVINGSTON USGS SITE AC
Lowermost portion of reservoir, adjacent to dam	14004	LAKE LIVINGSTON USGS SITE AL
Middle portion of reservoir, East Pointblank	14007	LAKE LIVINGSTON USGS SITE DL
Middle portion of reservoir, East Pointblank	14008	LAKE LIVINGSTON USGS SITE DC
Middle portion of reservoir, centering on US 190	10911	LAKE LIVINGSTON AT US 190 WEST OF ONALASKA
Middle portion of reservoir, centering on US 190	14010	LAKE LIVINGSTON USGS SITE FC
Middle portion of reservoir, downstream of Kickapoo Creek	10909	LAKE LIVINGSTON IN KICKAPOO CREEK BAY CHANNEL TRA #12
Middle portion of reservoir, downstream of Kickapoo Creek	14009	LAKE LIVINGSTON USGS SITE EC
Riverine portion of reservoir, centering on SH 21	10917	LAKE LIVINGSTON HEADWATERS AT SH 21 NORTHEAST OF MIDWAY TRA #97
Upper portion of reservoir, centering on SH 19	10914	LAKE LIVINGSTON AT SH 19 SOUTH OF TRINITY
Upper portion of reservoir, centering on SH 19	14012	LAKE LIVINGSTON USGS SITE JC
Upper portion of reservoir, west of Carlisle	10913	LAKE LIVINGSTON IN MAIN CHANNEL NEAR MOUTH OF WHITE ROCK CREEK BAY TRA #6
Upper portion of reservoir, west of Carlisle	14013	LAKE LIVINGSTON USGS SITE GC
West Carolina Creek cove, off upper portion of reservoir	14011	LAKE LIVINGSTON USGS SITE IC

Published studies: Publication	Date	Author
IMS 9 Lake Livingston	Nov. 1973	Bohmfalk, C.